

Receiving Report

Date:

12/14/27

Batch No:

n/123892

Supplier:

ne north

Dart P/O:

18487

Packing Slip: Yes ☒ No ☐

Invoice: Yes ☐ No ☒

Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐

Waybill Attached: Yes ☐ No ☒ N/A ☐

Shipment Complete: Yes ☒ No ☐ N/A ☐

QC6 Inspection ☒ N/A ☐

Work Order ☐ N/A ☒

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK)

Level 12

Production/Admin:

Date

Received/Costing

Initial

12/14/28
[Signature]

Location

Page 1 of 1

All amounts are calculated in domestic currency.

All Line Item Types

All Currencies

Grouped by Vendor ID

Total Received Quantity:	1,007,0000
Total Qty to Inspect (PO U/M):	0.0000
Total Reject Quantity:	0.0000
Total Receipt Value:	\$367.13
Total Balance Due Quantity:	0.0000



McMASTER-CARR®

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada
Attention: J-Luc

Purchase Order
PO18487

Order Placed By
Chantal Lavoie

11/26/2012

McMaster-Carr Number
4292498-01

Line	Description	Ordered	Shipped
1	92311A599 18-8 Stainless Steel Cup Point Set Screw, 5/16"-24 Thread, 5/8" Long, Packs of 50 Unit Price: \$10.06 Extended Price: \$201.20	20 Packs	20
2	3089A11 Round Shank Reamer for Structural Steel, 1/4" Reamer Diameter, 1/4" Shank Diameter, 4-3/8" L Overall Unit Price: \$30.09 Extended Price: \$30.09	1 Each	1
3	1217T27 Wear-Resistant Stainless Steel (Type 301), .048" Thick, 12" X 36", 1/4 Hard Unit Price: \$72.50 Extended Price: \$72.50	1 Each	1
4	1217T24 Wear-Resistant Stainless Steel (Type 301), .042" Thick, 12" X 36", 1/4 Hard Unit Price: \$63.34 Extended Price: \$63.34	1 Each	1

A83			
2 - 696 - 09	45 - 83	A599	20 PK 1
2 - 499			2
8 - 53			3
8 - 96			4

Luc 11/26

Dart Aerospace Ltd

EXP
INV



23 lbs
4 lines

FW1WBP24
11/26/2012
12:36/07:42
570
Cycle 11

1140568842695



Lg

38x12x12

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada
Attention: J-Luc

Order Placed By
Chantal Lavoie

11/26/2012

McMaster-Carr Number
4292498-01

Charges for this shipment


Merchandise Amount:	\$367.13
Total:	\$367.13

COA
for
D.A.

COA
for
D.A.

Stainless Steel

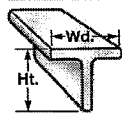
For information about stainless steel, see page 3685.

 For information on the chemical composition of stainless steel alloys, as well as physical and mechanical properties, go to mcmaster.com and search for 8984KAC.

Multipurpose Stainless Steel (Type 304) (Material continued from previous page)

The most widely used stainless steel, Type 304 has good weldability and formability and maintains corrosion resistance up to 1500° F (except for balls, which are not rated for temperature). Commonly used in chemical and food processing equipment. It may become slightly magnetic when worked and is not heat treatable.

T-Bars—Unpolished (Mill) Finish



- Hardness: 156 Brinell
- Yield Strength: 30,000 psi
- Annealed

Meet ASTM A276 and A479. T-bars are hot rolled. Edges are rounded. Height and width tolerances are $\pm 0.141"$, except $1" \times 1"$ and $1\frac{1}{2}" \times 1\frac{1}{2}"$ sizes are $\pm 0.078"$. Flatness tolerance is not rated. Straightness tolerance is not rated. Length tolerance is $\pm 1"$ for 1-ft. lengths, $\pm 3"$ for 3-ft. lengths, and $\pm 6"$ for 6-ft. lengths. **To Order:** Please specify 1-, 3-, or 6-ft. length.

Ht. x Wd.	1 ft.	3 ft.	6 ft.	Ht. x Wd.	1 ft.	3 ft.	6 ft.	Ht. x Wd.	1 ft.	3 ft.	6 ft.
$\frac{1}{8}"$ Thick ($\pm 0.015"$)				$\frac{1}{4}"$ Thick ($\pm 0.023"$)				$\frac{3}{8}"$ Thick ($\pm 0.023"$)			
$1" \times 1"$1352T11..	\$17.52	\$43.91	\$73.30	$2" \times 2"$1352T13	\$50.30	\$126.08	\$210.48	$4" \times 4"$1352T16..	\$127.80	\$320.30	\$534.72
$\frac{3}{16}"$ Thick ($\pm 0.015"$)				$2\frac{1}{2}" \times 2\frac{1}{2}"$1352T14	61.51	154.17	257.38				
$1\frac{1}{2}" \times 1\frac{1}{2}"$1352T12..	31.48	78.90	131.72	$3" \times 3"$1352T15	72.42	181.50	303.00				

Half Rounds—Unpolished (Mill) Finish



- Hardness: Rockwell B80
- Yield Strength: 45,000 psi
- Annealed

Meet ASTM A276 and A479 and AMS5639. Half rounds are cold finished. Diameter tolerance is $\pm 0.002"$. Straightness tolerance is not rated. Length tolerance is $\pm 1"$ for 1-ft. lengths, $\pm 3"$ for 3-ft. lengths, and $\pm 6"$ for 6-ft. lengths. **To Order:** Please specify 1-, 3-, or 6-ft. length.

Dia.	1 ft.	3 ft.	6 ft.	Dia.	1 ft.	3 ft.	6 ft.	Dia.	1 ft.	3 ft.	6 ft.
$\frac{1}{2}"$1267T56....	\$10.35	\$18.87	\$31.45	$\frac{5}{8}"$1267T57....	\$12.95	\$26.62	\$44.36	$\frac{3}{4}"$1267T58....	\$16.63	\$36.56	\$60.93

Precision Balls—Reflective Finish



- Hardness: 253-362 Brinell
- Yield Strength: 32,000 psi
- Work hardened

Meet ASTM A493. Made of Type 302 stainless steel. Grade is 100. Sphericity is 0.0001". Diameter tolerance is $\pm 0.0005"$.

Dia.	Pkg. Qty.	Pkg.	Dia.	Pkg. Qty.	Pkg.	Dia.	Pkg. Qty.	Pkg.	Dia.	Pkg. Qty.	Pkg.
$\frac{1}{16}"$100.....	9291K12..	\$5.00	$\frac{7}{32}"$100.....	9291K21..	\$8.21	$\frac{1}{32}"$25.....	9291K28..	\$8.66	$\frac{5}{8}"$5.....	9291K36....	\$7.65
$\frac{3}{32}"$100.....	9291K13..	5.25	$\frac{1}{4}"$100.....	9291K23..	8.38	$\frac{3}{8}"$25.....	9291K31..	10.60	$\frac{3}{4}"$5.....	9291K38....	10.28
$\frac{1}{8}"$100.....	9291K14..	5.36	$\frac{9}{32}"$100.....	9291K24..	13.25	$\frac{7}{16}"$25.....	9291K33..	11.62			Each
$\frac{5}{32}"$100.....	9291K16..	5.52	$\frac{5}{16}"$50.....	9291K27..	9.24	$\frac{1}{2}"$15.....	9291K35..	10.83	$1"$	9291K39....	\$10.99
$\frac{3}{16}"$100.....	9291K18..	7.05									

Wear-Resistant Multipurpose Stainless Steel (Type 301)

Commonly used for fasteners and springs, this chromium-nickel (austenitic) stainless steel offers better wear resistance and fatigue strength than Type 304. It also has good weldability and maintains corrosion resistance up to 1550° F. May be slightly magnetic. Not heat treatable.

Sheets—Unpolished (Mill) Finish



- Hardness: $\frac{1}{4}$ Hard, Rockwell C25; $\frac{1}{2}$ Hard, Rockwell C32; Full Hard, Rockwell C41
- Yield Strength: $\frac{1}{4}$ Hard, 75,000 psi; $\frac{1}{2}$ Hard, 110,000 psi; Full Hard, 140,000 psi

Meet ASTM A240 and MIL-S-5059. Sheets are cold finished. Width and length tolerances are $\pm \frac{1}{32}"$. Flatness tolerance is not rated.

Use $\frac{1}{4}$ hard sheets for light drawing, stretching, and forming operations where heat and corrosion resistance are needed. Sheets also meet AMS5517. Use $\frac{1}{2}$ hard when forming applications require greater hardness and yield strength. Sheets also meet AMS5518. Full hard sheets are cold worked to the ideal mechanical properties desired for springs. Sheets also meet AMS5519.

Thick.	Thick. Tolerance	¹ / ₄ HARD		¹ / ₂ HARD		FULL HARD							
		12"×12"	12"×36"	12"×12"	12"×36"	12"×12"	12"×36"						
0.015"	±0.002"	1217T11...	\$20.24	1217T21...	\$49.40	1217T31...	\$20.24	1217T41...	\$49.40	1217T51...	\$25.16	1217T61...	\$52.04
0.024"	±0.003"	1217T12...	23.95	1217T22...	53.69	1217T32...	23.95	1217T42...	53.69	1217T52...	27.66	1217T62...	57.12
0.029"	±0.004"	1217T13...	29.56	1217T23...	60.37	1217T33...	29.56	1217T43...	60.37	1217T53...	27.36	1217T63...	65.84
0.042"	±0.004"	1217T14...	29.18	1217T24...	68.12	1217T34...	29.18	1217T44...	68.12	1217T54...	30.45	1217T64...	72.37
0.048"	±0.004"	1217T17...	32.13	1217T27...	77.94	1217T37...	32.13	1217T47...	77.94	1217T57...	34.83	1217T67...	82.94
0.059"	±0.005"	1217T15...	31.51	1217T25...	94.18	1217T35...	31.51	1217T45...	94.18	1217T55...	49.66	1217T65...	102.35
0.075"	±0.005"	1217T16...	36.91	1217T26...	109.97	1217T36...	36.91	1217T46...	109.97				

Spring-Tempered Strips—Unpolished (#2B Mill) Finish



- Hardness: Rockwell C42
- Yield Strength: 147,000 psi
- Spring tempered

Meet ASTM A666. Strips are cold finished. Width tolerance is $\pm 0.005"$ for $\frac{1}{8}"$ to $4"$ widths; $\pm 0.010"$ for $6"$ to $12"$ widths. Flatness tolerance is not rated. Length tolerance is $\pm 1"$.

Mini Coils				Coils				Mini Coils				Coils			
Wd.	Lg., ft.			Wd.	Lg., ft.			Wd.	Lg., ft.			Wd.	Lg., ft.		
0.002" Thick (±0.0002")								0.005" Thick (±0.0003")							
3/4"	10	2416K3	\$42.04	75	90415K101	\$134.86		1/8"	10	2416K23	\$48.18	100	90415K808	\$123.37	
1"	5	2416K12	42.04	25	90415K801	118.54		1/4"	10	2416K24	46.82	100	90415K809	124.31	
2"	5	2416K13	42.04	25	90415K103	134.86		1/2"	10	2416K25	41.40	100	90415K811	121.00	
0.003" Thick (±0.0003")								0.006" Thick (±0.0004")							
1/2"	10	2416K15	43.46	100	90415K803	121.74		1"	5	2416K26	39.06	50	90415K134	134.86	
2"	5	2416K16	43.46	50	90415K804	142.57		2"	5	2416K27	39.06	50	90415K812	142.74	
0.004" Thick (±0.0003")															
1/2"	10	2416K18	42.12	100	90415K806	128.89		1/2"	10	2416K29	39.04	100	90415K814	114.43	
1"	5	2416K19	42.12	50	90415K122	134.86		3/4"	5	2416K32	39.04	75	90415K816	125.69	
2"	5	2416K21	42.12	50	90415K807	142.11		1"	5	2416K33	39.04	75	90415K145	134.86	
4"	5	2416K22	42.12	25	90415K124	134.86		2"	5	2416K34	39.04	50	90415K817	146.74	
								6"				10	90415K818	113.37	
								12"				10	90415K822	135.00	

(Material continued on following page)

Warning! Hardness and yield strength are not guaranteed and are intended only as a basis for comparison.



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO18487

Purchase Order Date 11/23/12
PO Print Date 11/23/12

Page Number 1 of 2

Order From : VU-MCM001
MCMASTER-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	330 995 5500	Requisition Nbr	
Vendor Fax	330 995 9600	Tax Resale Nbr	10127-2607
Vendor Account Nbr		Terms	Net 10
		Currency	USD
		FOB	Destination-Collect

Ship To : DART AEROSPACE LTD 1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

REVISED

M123842

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	92311A599	SET SCREW	11/27/12 Yes	✓ 1,000.00 Each	FedEx PI collect	\$0.2012	\$201.20
			Special Inst: AS PER DWG D2712 REV. B B93686				
2		3089A11 ROUND SHANK	11/27/12 Yes	✓ 1.00 Each	FedEx PI collect	\$30.0900	\$30.09
3	M301S18GA <i>244</i>	301 SS Sheet - 1/4 hard	11/27/12 Yes	✓ 3.00 sf	FedEx PI collect	\$24.1667	\$72.50

Deliver To: J-LUC

12/14/12

48 42

Change Nbr: 3	Change Date: 11/23/12	No substitution or deviation without consent. Certificate of Conformity or Material Certification required (YES) NO
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DART aerospace	Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 Tel: 613 632 9577 Fax: 613 632 1053
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PURCHASE ORDER

Purchase Order ID PO18487

Purchase Order Date 11/23/12

PO Print Date 11/23/12

Page Number 2 of 2

Order From :
MCMASTER-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

VU-MCM001

Contact Name

Vendor Phone 330 995 5500

Vendor Fax 330 995 9600

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 10

Currency

USD

FOB

Destination-Collect

Special Inst: MATERIAL: AISI 301 SS SHEET
MINIMUM 1/4 HARDNESS (NOT
ANNEALED)
2B FINISH AS PER AMS 5517 OR AMS
5518 OR AMS 5902
OR AMS 5519 OR ASTM A666 WITH
MIN. FTU = 125 KSI
& MIN FTY = 75 KSI
MCMASTER P/N: 1217T27 X 1 PCS 12" X
36"

4 M301S20GA

301 SS Sheet - 1/4 hard

11/27/12

Yes

3.00

sf

FedEx PI collect

\$21.1133

\$63.34

4235

Special Inst: MATERIAL: AISI 301 SS SHEET
MINIMUM 1/4 HARDNESS (NOT
ANNEALED)
2B FINISH AS PER AMS 5517 OR AMS
5518 OR AMS 5902
OR AMS 5519 OR ASTM A666 WITH
MIN. FTU = 125 KSI
& MIN FTY = 75 KSI
MCMASTER P/N: 1217T24 X 1 PCS 12" X
36"

PO Total:

\$367.13

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required - YES NO

Change Nbr: 3

Change Date: 11/23/12